BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Work Slip: As per Std Tender Documents

Name of Work: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division

Estimate Amount:- 50,000,000.00
Name of Contractor:- G Jayaram
Approved amount:- 43,975,427.00
Tender premium:- 4.99% Above

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Remark
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount			
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	4237.20	116.28	492702.00	4497.41	4497.41	116.28	522958.00	0.00	116.28	0.00	522958.00	30256.00	
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means.	cum	2038.92	225.78	460347.00	2442.60	2442.60	225.78	551490.00	0.00	225.78	0.00	551490.00	91143.00	
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibrating including	cum	94.50	5723.00	540824.00	186.31	118.13	5723.00	676029.00	68.19	5723.00	390223.00	1066252.00	525428.00	
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per	cum	640.69	6023.70	3859324.00	665.04	665.04	6023.70	4005986.00	0.00	6023.70	0.00	4005986.00	146662.00	
5	KSRB 5-14 : Provicing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005	Sqm	4516.72	1028.20	4644092.00	4794.68	4794.68	1028.20	4929888.00	0.00	1028.20	0.00	4929888.00	285796.00	

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	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Renark
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount			
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	20
7	KSR[illegible]2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.	cum	264.60	5141.00	1360309.00	326.09	326.09	5141.00	1676418.00	0.00	5141.00	0.00	1676418.00	316109.00	
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer	Sqm	472.50	5723.00	2704118.00	582.30	582.30	5723.00	3332503.00	0.00	5723.00	0.00	3332503.00	628385.00	
11	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00	cum	1779.75	66.86	118994.00	2866.13	2224.69	66.86	148743.00	641.44	66.86	42887.00	191630.00	72636.00	
12	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications	Sqm	5932.50	6.69	39688.00	9550.16	7415.63	6.69	49611.00	2134.54	6.69	14280.00	63891.00	24203.00	
13	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface	cum	889.87	2131.80	1897025.00	1296.41	1112.34	2131.80	2371281.00	184.07	2131.80	392406.00	2763687.00	866662.00	
14	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in	cum	1334.81	2097.89	2800285.00	2148.60	1668.51	2097.89	3500356.00	480.08	2097.89	1007164.00	4507520.00	1707235.00	
15	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision.	Sqm	5932.50	31.01	183967.00	8380.52	7415.63	31.01	229959.00	964.90	31.01	29921.00	259880.00	75913.00	

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	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Remark
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount			
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	20
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	5932.50	12.60	74750.00	8654.50	7415.63	12.60	93437.00	1238.88	12.60	15610.00	109047.00	34297.00	
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and	cum	296.62	6705.48	1988979.00	418.84	370.78	6705.48	2486224.00	48.06	6705.48	322267.00	2808491.00	819512.00	
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and	cum	237.30	7887.66	1871742.00	346.18	296.63	7887.66	2339677.00	49.55	7887.66	390871.00	2730548.00	858806.00	
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is	Sqm	235.00	474.81	111580.00	304.48	293.75	474.81	139475.00	10.73	474.81	5095.00	144570.00	32990.00	
	Grand total													6516033.00	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Approved Amount =	43975427.00
Excess Amount =	6516033.00

Percentage of Worslip = $\frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$

Percentage of Worslip =	14.82	%

Contractor

Assistant Engineer

Assistant Executive Engineer

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Executive Engineer

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BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Comparitive Statement

Name of Work:	Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division
Estimate Amount:-	**50,000,000.00**
Name of Contractor:-	**G Jayaram**
Approved amount:-	**43,975,427.00**
Tender premium:-	**4.99% Above**

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	4237.20	116.28	492702.00	4497.41	4497.41	116.28	522958.00	0.00	116.28	0.00	4497.41	522958.00	30256.00	0.00	
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In	cum	2038.92	225.78	460347.00	2442.60	2442.60	225.78	551490.00	0.00	225.78	0.00	2442.60	551490.00	91143.00	0.00	
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.45cum, in foundation mechanically mixed, placed in foundation and compacted by vibration	cum	94.50	5723.00	540824.00	186.31	118.13	5723.00	676029.00	68.19	5723.00	390223.00	186.31	1066252.00	525428.00	0.00	
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	cum	640.69	6023.70	3859324.00	665.04	665.04	6023.70	4005986.00	0.00	6023.70	0.00	665.04	4005986.00	146662.00	0.00	
5	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS	Sqm	4516.72	1028.20	4644092.00	4794.68	4794.68	1028.20	4929888.00	0.00	1028.20	0.00	4794.68	4929888.00	285796.00	0.00	
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.	Sqm	5778.00	2444.40	14123743.00	4861.08	4861.08	2444.40	11882424.00	0.00	2444.40	0.00	4861.08	11882424.00	0.00	2241319.00	
7	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.	cum	264.60	5141.00	1360309.00	326.09	326.09	5141.00	1676418.00	0.00	5141.00	0.00	326.09	1676418.00	316109.00	0.00	
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per	Sqm	472.50	5723.00	2704118.00	582.30	582.30	5723.00	3332503.00	0.00	5723.00	0.00	582.30	3332503.00	628385.00	0.00	
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges	Nos	14263.00	455.90	6502502.00	5031.00	5031.00	455.90	2293633.00	0.00	455.90	0.00	5031.00	2293633.00	0.00	4208869.00	

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Sl. No.	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 115%			Qty. as per Actuals above 115%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	20
10	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	2247.00	89.24	200522.00	905.56	905.56	89.24	80812.00	0.00	89.24	0.00	905.56	80812.00	0.00	119710.00	
11	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per	cum	1779.75	66.86	118994.00	2866.13	2224.69	66.86	148743.00	641.44	66.86	42887.00	2866.13	191630.00	72636.00	0.00	
12	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications	Sqm	5932.50	6.69	39688.00	9550.16	7415.68	6.69	49611.00	2134.54	6.69	14280.00	9550.16	63891.00	24203.00	0.00	
13	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on	cum	889.87	2131.80	1897025.00	1296.41	1112.34	2131.80	2371281.00	184.07	2131.80	392406.00	1296.41	2763687.00	866662.00	0.00	
14	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site,,laying in uniform layers with paver	cum	1334.81	2097.89	2800285.00	2148.60	1668.51	2097.89	3500356.00	480.09	2097.89	1007164.00	2148.60	4507520.00	1707235.00	0.00	
15	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V	Sqm	5932.50	31.01	183967.00	8380.52	7415.68	31.01	229959.00	964.90	31.01	29921.00	8380.52	259880.00	75913.00	0.00	
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	5932.50	12.60	74750.00	8654.50	7415.68	12.60	93437.00	1238.88	12.60	15610.00	8654.50	109047.00	34297.00	0.00	
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled,	cum	296.62	6705.48	1988979.00	418.84	370.78	6705.48	2486224.00	48.06	6705.48	322267.00	418.84	2808491.00	819512.00	0.00	
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth	cum	237.30	7887.66	1871742.00	346.18	296.63	7887.66	2339677.00	49.55	7887.66	390871.00	346.18	2730548.00	858806.00	0.00	
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness	Sqm	235.00	474.81	111580.00	304.48	293.75	474.81	139475.00	10.73	474.81	5095.00	304.48	144570.00	32990.00	0.00	
	Total				**43975427.00**				**41310904.00**			**2610724.00**		**43921628.00**	**6516033.00**	**6569898.00**	

Contractor

Assistant Engineer

Asst. Executive Engineer

Executive Engineer

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